

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Soljacic et al. **GROUP:** Unknown
SERIAL NO: Unknown **EXAMINER:** Unknown
FILED: Herewith
FOR: USING ELECTRO-MAGNETICALLY INDUCED TRANSPARENCY IN
PHOTONIC CRYSTAL CAVITIES TO OBTAIN LARGE NON-LINEAR
EFFECTS

Mail Stop Patent Application
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

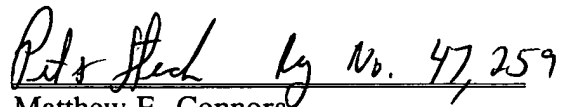
Sir:

INFORMATION DISCLOSURE STATEMENT

In compliance with 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant submits copies of the documents listed on the attached Form PTO-1449.

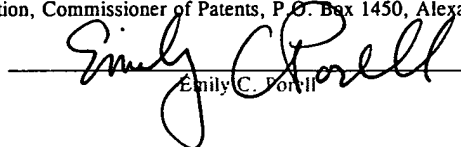
The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further fee that is required.

Respectfully submitted,


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CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. §1.10

I hereby certify that this Information Disclosure Statement and the documents referred to as enclosed therein are being deposited with the United States Postal Service on **December 3, 2003** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV303918206US** addressed to the: Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Emily C. Powell

FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

MIT.10059
ATTORNEY DOCKET NO.

APPLICANT: Soljacic et al.

FILING DATE: Herewith

Unknown
SERIAL NO.

GROUP: Unknown

EXAMINER: Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AC						
	AD						
	AE						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	AF	"Intracavity Electromagnetically Induced Transparency," Lukin et al. <i>Optics Letters</i> . February 1998. Vol. 23, No. 4.
	AG	"Observation of Coherent Optical Information Storage in an Atomic Medium Using Halted Light Pulses," Liu et al. <i>Nature</i> . January 2001. Vol. 409.
	AH	"Nonlinear Optics at Low Light Levels," Harris et al. <i>Physical Review Letters</i> . June 1999. Vol. 82, No. 23.
	AI	"Observation of Ultraslow and Stored Light Pulses in a Solid," Turukhin et al. <i>Physical Review Letters</i> . January 2002. Vol. 88, No. 2.
	AJ	"Efficient Electromagnetically Induced Transparency in a Rare-Earth Doped Crystal," Ham et al. <i>Optics Communications</i> . December 1997. Vol. 144.
	AK	"Nonlinear Optical Processes Using Electromagnetically Induced Transparency," Harris et al. <i>Physical Review Letters</i> . March 1990. Vol. 64, No. 10.
	AL	"Electromagnetically Induced Transparency," Harris. <i>Physics Today</i> . July 1997.
	AM	"Photonic-Bandgap Microcavities in Optical Waveguides," Foresi et al. <i>Nature</i> . November 1997. Vol. 390.
	AN	"Cavity-QED Using Quantum Dots," Imamoglu. <i>Optics & Photonic News</i> . August 2002.

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.